

WHAT IS CLAIMED IS:

1. A distributed object controlling method, comprising the steps of:

sending, when executing an object in a first computer, a retrieval request to a second computer for providing a naming service, said retrieval request including the object name of said object, and

executing said object on the basis of object reference information acquired as the response to said retrieval request,

wherein said distributed object controlling method further comprises the steps of:

judging, when executing said object, whether or not the object reference information on said object has been stored in a first reference-information storage area into which said acquired object reference information is stored, and,

if said object reference information has been stored therein,

sending an execution request for executing said object on the basis of said stored object reference information.

2. A distributed object controlling method, comprising the steps of:

sending, when executing an object in a first computer, a retrieval request to a second computer for providing a naming service, said retrieval request including the object name of said object, and

executing said object on the basis of object reference information acquired as the response to said retrieval request,

wherein said distributed object controlling method further comprises the steps of:

judging, when executing said object, whether or not the object reference information on said object has been stored in a first reference-information storage area into which said acquired object reference information is stored, and,

if said object reference information has been stored therein,

executing said object on the basis of said stored object reference information, and,

if said object reference information has been not stored therein,

sending a retrieval request to said second computer for providing said naming service, said retrieval request including said object name of said object,

storing object reference information and said object name of said object into said first reference-information storage area, said object reference information being acquired as the response to said retrieval request, and

sending an execution request for executing said object on the basis of said acquired object reference information.

3. A distributed object controlling method, comprising the steps of:

sending, when executing an object in a first computer, a retrieval request to a second computer for providing a naming service, said retrieval request including the object name of said object, and

executing said object on the basis of object reference information acquired as the response to said retrieval request,

wherein said distributed object controlling method further comprises the steps of:

judging, when executing said object, whether or not the object reference information on said object has been stored in a second reference-information storage area into which said acquired object reference information is stored, and,

if said object reference information has been stored therein,

executing said object on the basis of said stored object reference information, and,

if said object reference information has been not stored therein,

judging whether or not said object exists within an identical process in said first computer, and, if said object exists within the identical process therein,

storing said object name of said object and said object reference information on said object into

said second reference-information storage area, and  
sending a storage request to said second  
computer for providing said naming service, said  
storage request including the object name of said  
object.

4. The distributed object controlling method  
according to Claim 1, further comprising a step of:  
if failure information has been acquired as  
the response to said execution request,  
deleting all of object names and object  
reference information stored in said first reference-  
information storage area.

5. The distributed object controlling method  
according to Claim 2, further comprising a step of:  
if failure information has been acquired as  
the response to said execution request,  
deleting all of object names and object  
reference information stored in said first reference-  
information storage area.

6. The distributed object controlling method  
according to Claim 1, further comprising a step of:  
if failure information has been acquired as  
the response to said execution request, said failure  
information including an object name that has caused a  
failure,  
deleting the object name and the object  
reference information corresponding to said object name  
and stored in said first reference-information storage

area, said object name having caused said failure.

7. The distributed object controlling method according to Claim 2, further comprising a step of:

if failure information has been acquired as the response to said execution request, said failure information including an object name that has caused a failure,

deleting the object name and the object reference information corresponding to said object name and stored in said first reference-information storage area, said object name having caused said failure.

8. The distributed object controlling method according to Claim 3, further comprising the steps of:

if said executed object has caused a failure, deleting the object name and the object reference information corresponding to said object name of said executed object and stored in said second reference-information storage area, and

sending a deletion request to said second computer for providing said naming service, said deletion request including said object name of said second object.

9. The distributed object controlling method according to Claim 1, further comprising the steps of:

when storing said acquired object reference information and said object name into said first reference-information storage area,

storing said object name therein after a

registration point-in-time has been brought into correspondence with said object name, and

when a first predetermined time has elapsed, judging whether or not each registration point-in-time has elapsed by a second predetermined time, said each registration point-in-time being stored after having been brought into correspondence with said each object name stored in said first reference-information storage area, and

deleting, from within said first reference-information storage area, an object name and object reference information whose registration point-in-time has corresponded to said second predetermined time, and

sending a retrieval request to said second computer for providing said naming service, said retrieval request including said object name, and

storing, into said first reference-information storage area, object reference information, said object name, and a registration point-in-time acquired as the response to said retrieval request.

10. The distributed object controlling method according to Claim 2, further comprising the steps of:

when storing said acquired object reference information and said object name into said first reference-information storage area,

storing said object name therein after a registration point-in-time has been brought into correspondence with said object name, and

when a first predetermined time has elapsed, judging whether or not each registration point-in-time has elapsed by a second predetermined time, said each registration point-in-time being stored after having been brought into correspondence with said each object name stored in said first reference-information storage area, and

deleting, from within said first reference-information storage area, an object name and object reference information whose registration point-in-time has corresponded to said second predetermined time, and

sending a retrieval request to said second computer for providing said naming service, said retrieval request including said object name, and

storing, into said first reference-information storage area, object reference information, said object name, and a registration point-in-time acquired as the response to said retrieval request.

11. A computer system, comprising:

a second computer for providing a naming service, and

a first computer for sending, when executing an object, a retrieval request to said second computer, said retrieval request including the object name of said object, and for executing said object on the basis of object reference information acquired as the response to said retrieval request,

wherein said computer system further

comprises:

means for judging, when executing said object, whether or not the object reference information on said object has been stored in a first reference-information storage area into which said acquired object reference information is stored, and,

means for sending, if said object reference information has been stored therein, an execution request for executing said object on the basis of said stored object reference information.